

Appl. No. 10/066,458
Amdt. dated 7/16/2004
Reply to Office Action of April 23, 2004

PATENT

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings of claims in the application:

Listing of Claims:

Claim 1. (currently amended) A self-cooled gas insulation transformer comprising an apparatus including an iron core and a coil that is wound around said iron core, a tank to receive said apparatus therein and an inert gas that is filled in said tank as an insulating and cooling medium, wherein a global warming coefficient of said inert gas is rated 1 or below, and wherein said iron core is made of a material selected from a magnetic domain control silicone steel, a silicone steel of high orientation, and an amorphous alloy, and wherein said gas is applied pressure at less than 0.2975 Mpa (2kg/cm²G) to be sealed in said tank.

Claims 2-7. (canceled)

Claim 8. (currently amended) A self-cooled gas insulation transformer in any one of claims 1 to 5 comprising an apparatus including an iron core and a coil that is wound around said iron core, a tank to receive said apparatus therein and an inert gas that is filled in said tank as an insulating and cooling medium, wherein a global warming coefficient of said inert gas is rated 1 or below, and wherein said iron core is made of a material selected from a magnetic domain control silicone steel, a silicone steel of high orientation, and an amorphous alloy, and wherein said gas is applied pressure at 150.358 kPa or below so as to be sealed in said tank.

Claims 9-10. (canceled)